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Field Service Procedure

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4SYS Medical Grade Workstation UPS Battery Replacement

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4SYS Medical Grade Workstation
UPS Battery Replacement

Replacement Procedure

This procedure includes instructions for the replacement of the UPS Battery contained in the 4SYS medical Grade Workstation.

1. Remove AC power from the 4SYS Medical Grade Workstation (Workstation).

   WARNING: Before servicing, ensure that AC power is removed from the WPU. Failure to observe this precaution may cause injury by electrical shock.

   CAUTION: Use ESD precautions when handling any of the electronics assemblies. These assemblies contain static sensitive components.

2. Unplug all cables from the rear of the 4SYS Medical Grade Workstation. Take note of removed locations for future reference.

3. Remove four screws connecting the Workstation to the patient arm. Remove the Workstation from the Anesthesia Machine.

4. Remove the keyboard from the Workstation.

   CAUTION: The 4SYS Medical Grade Workstation is extremely delicate. Use extreme care when handling the Workstation. Cover work area with 1 inch thick ESD foam padded cover prior to proceeding with next step.

5. Place the Workstation face down on static mat with the keyboard mat overhanging the edge.

6. Remove and retain six screws from the back panel of the Workstation, and two screws from each side of the Workstation. Refer to Figure 1 for hardware locations.

7. Remove back cover. Carefully unplug ground wire.

8. Remove red and blue wires from the UPS Battery.

9. Remove and retain two phillips head screws securing UPS Battery bracket. Remove and retain UPS Battery bracket.

10. Remove and properly discard UPS Battery.

11. Install replacement UPS Battery (P/N 4118239).

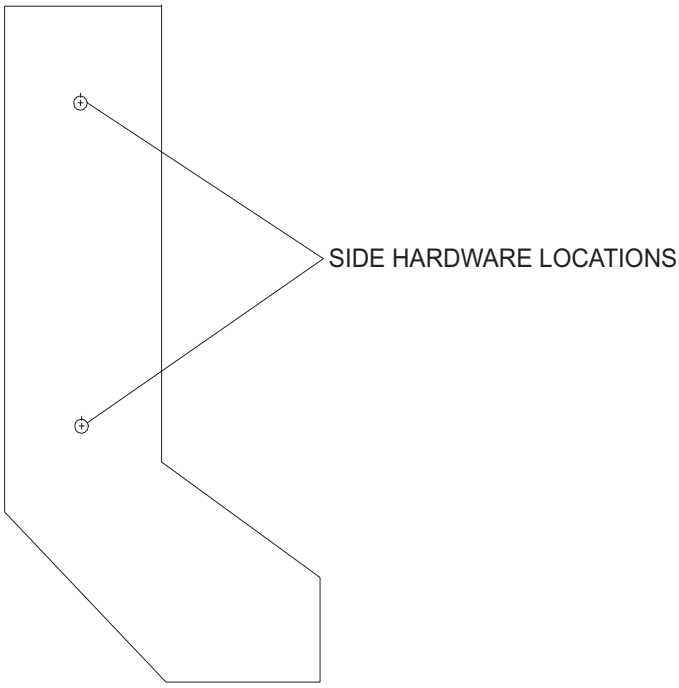
12. Reinstall UPS Battery bracket using two phillips head screws removed in step 9.

13. Reconnect red and blue wires to replacement UPS Battery.

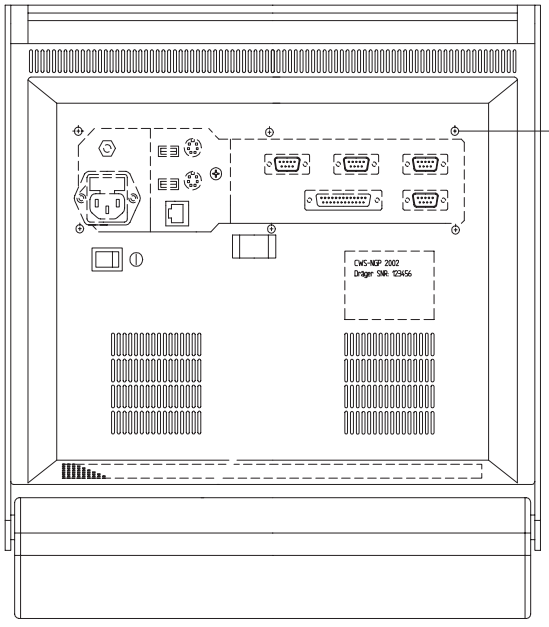
14. Place back cover on Workstation and carefully reinstall ground wire previously removed in step 7.

15. Reinstall six cover mounting screws previously removed in step 6. See Figure 1 for hardware locations.

Replacement Procedure



SIDE VIEW OF WORKSTATION



BACK OF WORKSTATION

SP26201

FIGURE 1. Workstation Rear Cover Hardware Locations

Replacement Procedure

16. Replace keyboard

17. Reinstall Workstation to patient arm using four screws previously removed in step 3.

18. Reconnect all cables previous removed in step 2.

19. Reapply power to the Workstation.

TEST PROCEDURE

1. Power on the Workstation.

2. If Workstation powers up, proceed to step 3. If Workstation does not power up, ensure appropriate power is being applied to the Workstation or that all cable connections are properly connected.

3. Unplug Workstation power cord from power outlet.

4. Verify Workstation remains on. Proceed to step 6.

5. If Workstation does not remain on, revert back to step 6 and ensure the red and blue wires are correctly connected to the UPS Battery.

6. Verify pop-up screen notification is displayed.

7. Reconnect power cord to power outlet.

8. If Workstation is non-operational and all processes have been verified, please contact your DMIT Technical Service representative.

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